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INTER-REGIONAL TRADE IN GERMANY

Description

This study examines the flow of commodities among five German regions and the outside world. It indicates the degree to which each of these regions is dependent upon regions of Germany or foreign countries. Figures derived from traffic statistics are presented to furnish the factual basis.

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SUMMARY

1. Each of the five regions into which Germany is divided for purposes of this analysis is characterized by the absence of balanced production activities. As a result, the survival of each depends strongly on its opportunities for trading with outside areas. This may be seen particularly in respect to the Greater Rhineland Area which exchanges its heavy industrial products and coal for foodstuffs and consumer goods from outside areas.

2. The areas with which trade relations were maintained in 1936 were the other regions of Germany and foreign countries. The relative importance of other German regions and of foreign countries in the economic intercourse of the regions varies according to region and product.

3. The reliance on non-German areas for imports of foodstuffs, textile raw materials, and metallic ores, and as a market for coal and some products of heavy industry appears particularly strong.

4. The Eastern Border Area appears more strongly complementary to the rest of Germany than any of the other regions in the exchange of its surplus foodstuffs for the manufactured products of other regions.

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INTER-REGIONAL TRADE IN GERMANY

I. INTRODUCTION

Discussions of the post-war treatment of Germany frequently revolve about special plans for the separation of various regions from Germany either by incorporating them into other sovereign states or by granting them autonomy -- possibly under some form of international control. The economic problem involved in such transfers of sovereignty depends in large measure on the nature of the economic life of the region, particularly its trade position with regard to other regions in Germany and the outside world. In order to illuminate this problem, the surpluses and deficits of various regions in Germany, as revealed in 1936 traffic statistics, have been determined.

On the attached map are shown the regions which are considered in the following discussion and tabulation. The choice of regions has been made largely on the basis of political complexion and historical and cultural development; the boundaries, however have been more or less arbitrarily drawn.¹ The data which are summarized in Table 1 show that

1. Region V was intended to consist of Germany east of the Oder River. In addition to East Prussia and German Upper Silesia this includes most of Pommern and a small part of Lower Silesia, but statistics for the latter two districts are not shown in such a way as to allow the separation of

none of the regions has a balanced economy and that, to a large extent, regional specialization results in regional interdependence. This may be seen particularly clearly in the case of Region III -- which may be called the Greater Rhineland Area -- where there is a marked specialization in production of coal and steel for export and a correspondingly heavy reliance on outside sources for such items as foodstuffs, leather, textiles, and wood.

II. ANALYSIS BY REGIONS

In Table 1 are indicated the net receipts and net shipments of various broad classes of commodities in each of 5 regions in Germany for the year 1936, as well as the net foreign trade of Germany as a whole for the same groups of commodities. This table is a summarization of data for a more detailed list of commodities shown in the Appendix. The net figures shown in Table 1 may be regarded as a fairly close measure of the import requirements and export surpluses of the regions in 1936. For some commodity groups a region shows both net receipts and net shipments. Reference to Table 2 in the Appendix shows that this is because the region had an

data for those portions falling in Region V. As a result all of Pommern has been included in Region V, while Lower Silesia, with the exception of Breslau for which separate figures were available, has been excluded from the region.

S OF COMMODITIES IN SELECTED GERMAN REGIONS (1936)^a

Commodities	Region III		Region IV		Region V		Total Germany	
	Net shipments	Net receipts shipments	Net receipts shipments	Net receipts shipments	Net receipts shipments	Net receipts shipments	Foreign Trade	Net receipts shipments
Non-Ferrous Metal Products & Ores	1	08	66	97	9	539	---	---
Non-ferrous ores & scrap (copper, pyrites, bauxite & others)	---	667	592	14	1,682	629	---	---
Non-ferrous metals	---	---	---	93	---	1,155	---	---
Semi-finished & finished products of non-ferrous metal	---	---	---	105	---	1,658	---	---
Total	58	1,121	1,121	389	1,691	4,833	---	---
Iron & Steel Products	---	---	---	---	---	---	---	---
Blast furnace & rolling mill products	5	1	63	39	50	13	---	5
Machinery & apparatus incl. transport equipment	---	232	85	---	355	470	---	69
Other iron & steel finished goods	128	---	---	38	68	97	---	36
Total	133	380	128	118	1,691	754	---	105
Fodder & Fertilizer	---	---	---	---	---	---	---	---
Fodder & feed	192	1,505	142	507	2,201	5,600	---	110
Fertilizer	---	---	---	---	---	---	---	---
Total	---	---	---	72	---	---	---	775

of commodities, the shipments and receipts refer respectively to

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Industrial Products n.e.s.	---
Total	1,075
Non-Ferrous Metal Products & Ores	957
Non-ferrous ores & scrap (copper, pyrites, bauxite & others)	116
Non-ferrous metals	---
Semi-finished & finished products of non-ferrous metal	---
Total	2,528

Iron & Steel Products	2,284
Blast furnace & rolling mill products	10
Machinery & apparatus incl. transport equipment	234
Other iron & steel finished goods	---
Total	1,524
Iron Ore, Scrap, & Slag	---
Fodder & Fertilizer	---
Fodder & feed	1,029
Fertilizer	---
Total	1,029

Net receipt

Table 1. NET RECEIPTS AND SHIPMENTS OF VARIOUS GROUPS OF COMMODITIES IN SELECTED GERMAN REGIONS (1936)^a
(in 1,000 tons)

	Region I		Region II		Region III		Region IV		Region V		Total Germany	
	Net	receipts shipments	Net	receipts shipments	Net	receipts shipments	Net	receipts shipments	Net	receipts shipments	Net	receipts shipments
Foodstuffs												
Meat, fish & dairy	312	---	---	183	243	1	80	---	97	9	539	---
Grains, legumes & potatoes	78	461	512	431	2,099	---	499	---	14	1,682	629	---
Fruits & fresh vegetables	365	---	217	74	289	---	265	---	93	---	1,155	---
Oleogenous vegetables	74	---	826	---	554	---	99	---	105	---	1,658	---
Sugar beets, coffee, raw tobacco, animal & plant raw mats. n.e.s.	131	90	348	---	258	58	184	---	80	---	852	---
Total Unprepared Foodstuffs	960	551	1,903	688	3,443	59	1,127	---	389	1,691	4,833	---
Intermedicate:												
Raw sugar & malt	---	160	29	25	227	---	1	14	---	50	13	5
Dairy products, fats & oils	308	---	---	104	227	5	63	21	39	37	470	---
Flour, refined sugar & starch	---	273	65	162	424	---	232	---	---	355	---	69
Wine, beer & spirits	111	19	78	---	49	128	85	83	38	68	97	36
Food n.e.s.	78	---	66	---	28	---	---	24	41	---	187	---
Total Processed Foods	497	292	209	266	728	133	380	128	118	460	754	105
Total	1,457	1,003	2,141	979	4,398	192	1,508	142	507	2,201	5,600	110
Salt ^b	---	668	---	280	410	---	---	309	72	---	---	775

a. Where a region has both net receipts and net shipments of a given group of commodities, the shipments and receipts refer respectively to different commodities within the group.

b. Includes large amount of salt used industrially.

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Table 1. (Continued)

	Region I		Region II		Region III		Region IV		Region V		Total Germany Foreign Trade	
	Net receipts shipments	Net	Net receipts shipments	Net	Net receipts shipments	Net	Net receipts shipments	Net	Net receipts shipments	Net	Net receipts shipments	Net
Fodder & Fertilizer												
Fodder & feed	495	12	177	363	239	66	143	81	174	468	---	---
Fertilizer	1,029	2,255	841	632	232	2,223	907	325	1,428	589	1,630	1,630
Total	1,524	2,267	1,018	995	471	2,289	1,050	406	1,542	1,057	1,630	1,630
Iron Ore, Scrap, & Slag	---	381	---	549	21,142	---	50	940	683	20,005	---	---
Iron & Steel Products												
Blast furnace & rolling mill products	2,284	---	939	266	---	7,405	1,745	---	423	---	2,405	2,405
Machinery & apparatus incl. transport equipment	10	185	46	---	---	392	---	90	94	---	517	517
Other iron & steel finished goods	234	---	154	---	---	1,481	209	---	113	---	771	771
Total	2,528	185	1,139	266	---	9,278	1,954	90	630	---	3,693	3,693
Non-Ferrous Metal Products & Ores												
Non-ferrous ores & scrap (copper, pyrites, bauxite & others)	957	155	770	---	2,489	255	486	73	314	4,399	---	---
Non-ferrous metals	118	34	53	19	100	---	37	---	16	266	---	---
Semi-finished & finished products of non-ferrous metal	---	75	37	47	---	99	23	11	17	---	155	155
Total	1,075	264	860	66	2,589	354	546	84	347	4,665	155	155
Industrial Products n.e.s.	---	68	---	76	---	187	---	65	143	---	253	253

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Table 1. (Continued)

	Region I		Region II		Region III		Region IV		Region V		Total Germany	
	Net receipts shipments	Net	Net receipts shipments	Net	Net receipts shipments	Net	Net receipts shipments	Net	Net receipts shipments	Net	Foreign Trade	Net receipts shipments
Coal, Coal Products & Peat												
Bituminous coal, briquettes & coke	14,996	---	15,758	---	62,693	---	10,995	---	10,063	---	---	31,009
Brown coal, briquettes & coke	1,509	4,408	2,059	561	3,404	68	3,643	---	---	---	1,605	1,040
Peat	108	---	---	349	---	69	66	---	16	---	---	90
Total	16,613	4,408	17,797	910	66,097	137	14,704	---	1,695	10,063	1,605	32,139
Liquid Fuels, incl. Coal Distillation Products												
Basic materials	600	---	722	---	632	275	478	---	150	18	1,721	147
Finished products	302	---	882	---	---	746	403	---	256	---	2,589	---
Total	902	---	1,604	---	632	1,021	881	---	406	18	4,310	147
Stone, Clay, Glass & Cement Products												
Primary products	1,768	2,175	2,928	848	8,074	---	1,393	19	2,900	93	---	2,222
Finished goods	16	374	472	3	1,686	---	560	28	591	---	---	452
Total	1,784	2,549	3,400	851	9,760	---	1,953	47	3,491	93	---	2,674
Chemicals excl. Fertilizer	21	683	213	6	470	214	---	130	121	---	92	812
Leather & Textiles												
Raw materials	236	---	221	12	---	256	212	5	10	17	901	---
Yarn & leather	16	---	5	7	---	14	3	---	1	8	24	---
Total	252	---	226	19	---	270	215	5	11	25	925	---

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Table 1. (Continued)

	Region I		Region II		Region III		Region IV		Region V		Total-Germany Foreign Trade	
	Net receipts shipments	Net	Net receipts shipments	Net	Net receipts shipments	Net	Net receipts shipments	Net	Net receipts shipments	Net	Net receipts shipments	Net
Wood & Wood Products												
Timber	1,288	332	177	295	1,243	33	278	214	962	115	2,965	1
Intermediate wood products	1,009	---	709	2	1,169	28	---	1,141	---	545	1,234	64
Finished wood & paper products	9	135	81	---	---	12	---	178	11	193	---	418
Total	2,306	467	967	297	2,417	73	278	1,533	973	853	4,199	493

c. Includes cellulose, woodpulp, etc. which are used in part for the manufacture of artificial fibers. The amounts are 175,000 tons and 337,000 tons in Regions IV and V, respectively.

export surplus of some of the commodities which make up the group at the same time that it was deficient in some of the others.

A. Region I -- The North Central Region

The more important of the exports of this region are fertilizers, chemicals, machinery, brown coal briquettes, stone products and certain foodstuffs -- particularly grains, potatoes sugar, and starch. At the same time the region has certain marked deficiencies and must depend on imports to satisfy its needs. Meat, fish, eggs, and fruits and vegetables are among the foodstuffs which are imported in large amounts. Basic iron and steel products and non-ferrous ore and scrap must be brought into the region for the manufacture of finished metal products. Bituminous coal, leather and textiles, wood and wood products are other items for which the North Central Region must depend on outside sources.

Regional trade is not entirely with other German areas. The foodstuffs which the region must import come from both German and non-German sources. In like fashion its exports of chemicals and machinery are to both foreign and domestic markets. There is, however, a marked dependence on other German areas in the exchange of surplus foodstuffs for coal and basic steel.

B. Region II -- The North West Region

One of the most important features of the economy of

this region does not show up well in the statistics which have been assembled; that is its predominant role as the area of German foreign commerce. The location here of most of the important German ports makes the Northwest Region a commercial center which services other German regions.

Although there is a fair industrial development in the area, the region's exports are mainly agricultural and forest products. Fodder and feed, timber, potatoes, green vegetables, rye and wheat flour (more than balanced by a net importation of grain) and meat and fish are its chief export items. There is also a sizable export of certain types of fertilizer material. The region is also a heavy importer of products in these same broad commodity classes. Net imports of foodstuffs in which the region is deficient were more than 2 million tons in 1936; this includes grains which were milled in the district and exported as flour. Fertilizers and wood products were also large import items. In addition, the region depended heavily on imports to satisfy its requirements for iron and steel products (although blast furnace products were exported) coal, stone products, leather and textiles.

Export and import trade was with foreign countries as well as with other German districts. Shipments of foodstuffs, timber, feed and fodder were mainly to other parts of Germany, and imports of iron and steel and coal were from the Rhineland

area. Stone products, too, were from other German regions. Imports of leather, textiles and foodstuffs were, in large part, from outside Germany.

C. Region III -- The Greater Rhineland Area

This area exhibits a higher degree of specialization than any of the others. It exports very large quantities of iron and steel products, coal, chemical, fertilizers, and stone and clay products. Its dependence on other regions is also extreme. More than 4 million tons net of foodstuffs of all kinds had to be brought into the region in 1936. More than 20 million tons of metallic raw materials used in the manufacture of iron and steel products had to be imported. In addition the region was largely deficient in leather, textiles and wood and wood products.

The external trade of this area was in part with other German areas and in part with the rest of the world. Its shipments of steel products, coal, and chemicals constituted a large part of German exports, while its large requirements for foodstuffs and iron-bearing raw materials could be satisfied only by drawing on non-German sources. At the same time, however, heavy trade in these and other items was also carried on with other German regions.

D. Region IV -- The Southern Region

The chief exports of this region are chemicals (including some varieties of fertilizer); wood and wood products

(including materials used in the production of artificial fibers); iron ore; highly fabricated metal products such as machinery; and food specialities, particularly beer. It is, in turn, heavily dependent on sources outside the region for supplies of staple foods and fibers; basic iron and steel products (in good part for further fabrication within the region); coal and liquid fuels; some fertilizers; and stone products.

The Southern region exchanges products with other parts of Germany as well as with foreign lands. Its exports of chemicals, machinery and beer were to German and non-German markets, and imports of foods and fibers originated both inside and outside Germany. Trade in basic iron and steel, coal, stone products, and wood and wood products was almost entirely with other German regions.

E. Region V -- Eastern Border Area

The Eastern Border Area of Germany is a particularly important exporter of certain varieties of foodstuffs. These include grains, potatoes, legumes, processed dairy products, flour, raw and refined sugar, and spirits. Its food economy is not balanced, however, and it must rely on imports to satisfy its needs for a wide variety of other foods, including fish, fruits and vegetables, oil seeds and fruits, edible fats other than butter, etc. It is, in addition, heavily dependent on imports of fertilizer material.

Outside of foodstuffs the region's leading exports are bituminous coal and coke; wood products (including material for artificial fibers); and semi-finished iron and steel. Important imports include iron ore; fabricated metal products; and stone, clay and glass products. It is noteworthy, too, that it is the only region which has a net import balance of miscellaneous industrial products.

This area, as constituted in 1936, was in large measure complementary to other German regions. Its surplus of foodstuffs went to regions deficient in one or the other of the foods included. At the same time it relied on other regions of Germany for part of its requirements for fertilizers and highly fabricated metal products. The area's coal exports, too, were destined mainly for other parts of Germany. Only in its imports of foodstuffs does foreign trade appear to have been significant.

APPENDIX

For each of the 5 regions considered in this analysis and for total German foreign trade, Table 2 shows the gross receipts and gross shipments of each of the commodities listed in German traffic statistics. The net shipments or receipts of a single commodity in a particular region were derived by subtracting gross receipts from gross shipments. These figures are shown in the last column under each of the regions: if the number is positive it is a net shipment, if negative it is a net receipt. The net figures were aggregated to get the totals for the broad commodity groups shown in Table 1.

The gross receipts and gross shipments include all products received or loaded in the region whether entering into domestic or foreign commerce. Only products carried by rail or water are covered; the failure to cover motor transport is not considered to be serious since in 1937 tonnage carried in long distance trucking (i.e., over 50 kilometres) came to only 3.3 percent of tonnage carried by the Reichsbahn. The gross figures are faulty in two respects: (a) to the extent that there is transshipment of goods within a region the amounts involved will be included in both receipts and shipments (this is particularly pertinent in Region II where goods are transferred between ocean going vessels and either railroads or ships plying the inland waterways);

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(b) both receipts and loadings include goods shipped between cities within the region and which do not enter into the region's external trade. In both cases, receipts and shipments would be inflated by the same amount so that the subtraction which has been performed should render a figure free of these defects.

There follows a tabulation of the areas included in each region. Under each of the regions are listed the German traffic districts (Verkehrsbezirke) which have been aggregated to derive the regional totals shown in Tables 1 and 2. In those cases where the districts used for the three types of transportation are not the same, the rail classifications have been used. It is this which accounts for the apparent anomaly of including part of the coastal district of Mecklenburg in Region II while the remainder of Mecklenburg is in Region I, for the harbors from Rostock to Flensburg are shown as one district in the rail traffic statistics. With minor exception statistics for other kinds of shipping could be fitted into the rail categories; the discrepancies which remain are of too small quantitative importance to affect the validity of the figures shown in Tables 1 and 2.

Region I

Mecklenburg (without harbors from Rostock to border of
Schleswig-Holstein)
Lower Silesia (excluding Breslau)
Berlin
Brandenburg
Magdeburg-Anhalt
Merseburg, Erfurt, etc.
Thüringen
Sachsen

Region II

Harbors Rostock to Flensburg
Schleswig Holstein
Elbhäfen
Weserhäfen
Emshäfen
Oldenburg, Lüneburg, etc.
Hannover, Hildesheim, Braunschweig, etc.

Region III

Hessen-Nassau and Oberhessen
Frankfurt/Main
Ruhrgebiet in Westphalia
Ruhrgebiet in Rheinprovinz
Westphalen, Lippe
Rheinprovinz
Köln
Saarland
Duisburg, Hochfeld, Ruhrort
Bavarian Pfalz (without Ludwigshafen)
Hessen

Region IV

Baden
Mannheim, Ludwigshafen
Württemberg and Hohenzollern
Southern Bavaria
Munich
Northern Bavaria

Region V

East Prussia
Königsberg, Pollau and Elbing
Pommern
Pommeranian Harbors
Posen-Westpreussen
Upper Silesia
Breslau

Table 2. GROSS RECEIPTS AND SHIPMENTS OF VARIOUS COMMODITIES IN SELECTED GERMAN REGIONS

	Region I			Region II			Region III		
	Gross receipts	Gross shipments	Net shipments -	Gross receipts	Gross shipments	Net shipments -	Gross receipts	Gross shipments	Net shipments -
Fish (incl. processed)	168	17	151	324	439	115	144	5	139
Meat (incl. processed)	122	42	80	84	143	59	78	10	68
Milk & cream	418	413	5	44	49	5	181	182	1
Eggs	90	14	76	40	44	4	47	11	36
Wheat	561	955	374	842	763	79	873	297	576
Rye	524	496	28	610	462	148	534	257	277
Barley	295	323	28	375	198	177	200	64	136
Oats	151	127	24	230	165	65	136	44	92
Maize	145	23	122	302	228	74	38	9	29
Rice	34	7	27	229	181	48	75	21	54
Legumes	81	58	23	201	141	60	96	24	72
Green vegetables	439	295	144	205	279	74	254	179	75
Fruits	329	108	221	619	402	217	296	82	214
Potatoes	1,588	1,647	59	482	913	431	1,587	603	984
Sugar beets	4,189	4,279	90	772	707	65	1,120	1,178	58
Oil seeds & fruits	116	42	74	1,186	360	826	591	37	554
Coffee	31	4	27	282	175	107	43	6	37
Raw tobacco	31	10	21	122	90	32	32	11	21
Dairy products (processed)	206	62	144	124	132	8	74	28	46
Edible fats excl. butter	106	49	57	56	121	65	114	119	5
Other animal & veg. fats									
& oil	160	53	107	516	547	31	373	192	181
Rye & wheat flour	544	618	74	315	477	162	896	597	299
Malt	70	129	59	132	103	29	79	30	49
Starches	87	157	70	109	83	26	77	26	51
Raw sugar	598	699	101	258	283	25	241	63	178
Refined sugar	256	385	129	326	287	39	153	79	74

Table 2. (Continued)

	Region IV			Region V			Total Germany Foreign Trade		
	Gross receipts shipments	Gross shipments	Net receipts -	Gross receipts shipments	Gross shipments	Net receipts -	Gross receipts shipments	Gross shipments	Net receipts -
Fish (incl. processed)	35	6	29	158	61	97	363	62	301
Meat (incl. processed)	45	20	25	9	12	3	122	11	111
Milk & cream	253	248	5	85	86	1	3	---	3
Eggs	44	23	21	16	21	5	141	17	124
Wheat	725	495	230	280	664	384	706	579	127
Rye	214	183	31	526	973	447	271	233	38
Barley	272	237	35	216	439	223	275	178	97
Oats	139	138	1	122	269	147	120	85	35
Maize	61	39	22	6	6	---	321	74	247
Rice	26	17	9	29	15	14	226	74	152
Legumes	58	28	30	96	133	37	200	52	148
Green vegetables	214	128	86	55	30	25	290	34	256
Fruits	325	146	179	97	29	68	980	81	899
Potatoes	439	275	164	403	994	591	93	26	67
Sugar beets	501	463	38	1,001	942	59	14	---	14
Oil seeds & fruits	127	28	99	124	19	105	1,884	226	1,658
Coffee	13	7	6	7	1	6	238	55	183
Raw tobacco	31	11	20	3	1	2	114	22	92
Dairy products (processed)	37	58	21	78	115	37	141	17	124
Edible fats excl. butter	46	40	6	62	23	39	144	12	32
Other animal & veg. fats & oil	108	51	57	32	32	---	492	178	314
Rye & wheat flour	560	432	128	257	463	206	152	167	15
Malt	54	68	14	13	23	10	85	90	5
Starches	31	4	27	64	130	66	35	67	32
Raw sugar	103	102	1	233	273	40	125	112	13
Refined sugar	121	44	77	99	182	83	151	173	22

Table 2. (Continued)

	Region IV		Region V		Total Germany Foreign Trade	
	Gross receipts	Gross shipments + Net receipts -	Gross receipts	Gross shipments + Net receipts -	Gross receipts	Gross shipments + Net receipts -
Wine & fruit juice	108	42	30	5	106	18
Beer	58	141	38	25	13	49
Spirits	101	82	175	243	13	4
Other foodstuffs	204	228	160	119	330	143
Brán & fodder grain	98	164	159	129	136	112
Oilcake	146	108	328	244	331	285
Roughage & hay	42	57	27	27	16	1
Straw	77	48	38	50	2	2
Other fodder	225	172	289	308	141	40
Animal & veg. materials						
n.e.s.	400	280	122	109	757	194
Iron & manganese ores	166	821	1,047	547	19,563	362
Pyrites	129	25	275	148	1,062	74
Pyrite ash	18	72	138	106	812	31
Copper ores	6	22	1	17	440	11
Other ores	50	34	42	158	569	58
Iron slack for smelting	94	44	61	38	616	21
Bituminous coal	10,982	2,461	15,245	24,570	5,204	29,061
Bituminous coal briquettes	959	504	153	313	66	797
Bituminous coal coke	3,061	1,042	1,529	2,107	847	7,268
Brown coal	2,000	1,247	19	---	1,601	2
Brown coal briquettes	4,319	1,452	2,357	715	50	1,090
Brown coal coke	23	---	18	---	8	2
Peat	113	47	21	5	7	97
Crude oil & coal tars	291	123	168	123	695	68
Gasoline	592	278	342	171	1,419	151
Benzol	104	22	85	88	110	53
Gas oil & Diesel oil	220	131	138	53	1,104	83
Other bituminous coal tar derivatives	183	131	81	96	20	167
			52	15		147

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Table 2. (Continued)

	Region I			Region II			Region III		
	Gross receipts	Gross shipments	Net receipts - shipments +	Gross receipts	Gross shipments	Net receipts - shipments +	Gross receipts	Gross shipments	Net receipts - shipments +
Other petroleum & brown coal tar derivatives	539	294	- 245	1,595	1,359	- 236	616	347	- 275
Stone, rough & worked	12,213	14,343	+ 2,130	5,939	3,902	- 2,037	12,461	15,890	+ 3,429
Earth, sand & gravel	10,433	10,478	+ 45	6,988	6,097	- 891	20,719	23,367	+ 2,648
Lime & gypsum excluding fertilizer	1,155	936	- 219	511	751	+ 240	2,735	2,892	+ 157
Cement & mortar	3,464	1,915	- 1,549	1,719	2,327	+ 608	2,468	4,308	+ 1,840
Rock and cooking salt	586	1,254	+ 668	519	799	+ 280	924	514	- 410
Beauxite, cryolite, clay	456	148	- 308	72	53	- 19	990	515	- 475
Other mineral & materials	2,158	1,891	- 267	1,517	1,235	- 282	3,355	3,610	+ 255
Sulphuric acid	321	345	+ 24	102	108	+ 6	921	796	- 125
Dye stuffs, dyes & lacquer	125	104	- 21	104	97	- 7	107	299	+ 192
Chemical products n.e.s.	1,663	2,118	+ 455	1,185	1,077	- 108	1,435	1,713	+ 278
Lime fertilizer	1,104	785	- 319	475	564	+ 89	395	578	+ 183
Phosphate slack	670	66	- 604	651	240	- 411	799	2,313	+ 1,514
Other phosphate fertilizer excl. mixed fertilizer	284	178	- 106	189	234	+ 45	741	154	+ 13
Potash fertilizer excl. mixed fertilizer	1,396	3,142	+ 1,746	1,894	2,336	+ 442	751	572	- 178
Nitrogenous fertilizer excl. mixed fertilizer	1,126	1,605	+ 479	911	527	- 384	599	1,018	+ 419
Mixed fertilizer	345	360	+ 15	208	162	- 46	246	340	+ 94
Other fertilizer	890	905	+ 15	179	235	+ 56	279	225	- 54
Veg. tanning materials	40	13	- 27	44	30	- 14	32	18	- 14
Hides & skins	52	31	- 21	209	157	- 52	57	22	- 35
Leather	20	19	- 1	11	18	+ 7	22	16	- 6
Wool	93	52	- 41	231	170	- 61	27	13	- 14
Cotton	98	30	- 68	580	515	- 65	133	22	- 111
Other textile fiber	148	97	- 51	294	265	- 29	103	42	- 61
Yarns	125	110	- 15	58	53	- 5	63	55	- 8
Rags	120	92	- 28	47	59	+ 12	99	78	- 21
Lumber & timber (over 1.5 meters long)	1,362	928	- 434	784	663	- 121	1,237	1,115	- 122

Table 2. (Continued)

	Region I			Region II			Region III		
	Gross receipts	Gross shipments	Net shipments + receipts -	Gross receipts	Gross shipments	Net shipments + receipts -	Gross receipts	Gross shipments	Net shipments + receipts -
Pulpwood	1,239	432	-	344	288	-	416	219	-
Pit props, unworked	317	649	+	57	345	+	2,176	1,247	-
Other unworked wood & wood scraps	618	517	-	205	212	+	412	445	+
Wooden RR ties	600	549	-	267	269	+	370	398	+
Cut lumber, staves	1,737	971	-	1,493	851	-	1,862	882	-
Wooden wares	270	261	-	124	93	-	164	166	+
Cellulose, lignin, pulp	828	636	-	441	374	-	513	324	-
Paper & cardboard	855	990	+	687	637	-	357	367	+
Cement wares	210	194	-	121	78	-	177	298	+
Artificial stones, plates & pipes	3,777	4,005	+	1,483	1,065	-	2,054	3,506	+
Other stone, clay & porcelain wares	62	116	+	57	46	-	62	73	+
Glass, glasswares	206	299	+	219	222	+	188	290	+
Pig iron & ferro alloys	512	114	-	208	472	+	1,951	2,241	+
Steel, semifinished products & pigs	175	75	-	108	110	+	3,948	4,309	+
RR Superstructure of iron & steel	677	513	-	332	296	-	1,027	1,583	+
Structural shapes	1,650	614	-	1,098	1,008	-	2,873	5,777	+
Sheets & plates of iron & steel	622	460	-	839	332	-	1,169	2,713	+
Pipes & tubes of iron & steel	435	204	-	476	303	-	853	2,021	+
Iron & steel wire	118	18	-	217	173	-	800	1,303	+
Other foundry & rolling mill products	332	260	-	168	94	-	594	870	+
Iron & steel scrap	1,321	1,379	+	563	758	+	4,384	3,797	-

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Table 2. (Continued)

	Region I			Region II			Region III				
	Gross receipts shipments	Net shipments + receipts -		Gross receipts shipments	Net shipments + receipts -		Gross receipts shipments	Net shipments + receipts -			
Machinery excl. transportation equipment	553	738	+	185	478	-	19	420	665	+	245
Building materials of iron & steel	363	242	-	121	168	-	59	324	630	+	306
Other iron & steel prod.	1,011	877	-	134	886	-	110	948	1,926	+	978
Copper & copper alloys	115	62	-	53	244	-	35	68	30	-	38
Zink & zink alloys	36	34	-	2	29	+	2	85	50	-	35
Lead & lead alloys	80	17	-	63	84	+	17	71	68	-	3
Light metals (Al, Mag.) & alloys	23	55	+	32	26	-	16	39	26	-	13
Other non-ferrous metals & alloys	6	8	+	2	23	-	2	19	8	-	11
Non-ferrous metal scraps	94	92	-	2	88	-	43	98	65	-	33
Non-ferrous metal semi-finished products	123	139	+	16	79	+	47	79	116	+	37
Non-ferrous metal products	117	176	+	59	126	-	37	60	122	+	62
Transportation equipment	249	239	-	10	162	-	27	201	348	+	147
Industrial products n.e.s.	1,569	1,637	+	68	867	+	76	789	976	+	187
Household effects & package material	1,488	1,573	+	85	646	-	40	1,040	999	-	41
Soda, potash (raw), caustic soda	415	619	+	204	212	-	98	467	378	-	89

Due to its large size, the following document has been filmed in segments. The order of the segments is as follows: left to right, top to bottom.

